

**OAK RIDGE COMMEMORATIVE COINS** celebrate the city's 25th Birthday . . . as the 25 Committee prepares many special events for the year. The coins are for sale for \$1 in the Company Store, North Portal.

## Commemorative Coins, Marking Founding Of Atomic Age, Now At Company Store

Out-of-town Y-12ers wishing a Commemorative Coin of the Oak Ridge 25 Committee may purchase them at the Company Store at North Portal.

The coin, a souvenir of the 25th Anniversary of the founding of Oak Ridge, was released May 4, and already a pure silver edition of 500 numbered coins has been fully subscribed. The number one silver coin was sold at auction for \$100. Unnumbered pure silver coins at \$10 each may be ordered at OR 25 Headquarters.

The coins on sale at the Company Store are nickel silver and the price is \$1. Proceeds from the sale will be used by the Oak Ridge 25 Committee to finance a

series of celebration activities during the remainder of the year.

Even now there are indications that the coin may be more than just a souvenir. Several coin collectors have acclaimed it and the president of the Franklin Mint, where the coin was struck, has stated, "The design for the Oak Ridge coin is one of the most outstanding we have ever handled." It is planned to enter the coin in several national design competitions.

Beyond enhancing the value of the coin this aspect should have special significance for Y-12 employees as two Oak Ridge men were responsible for the design.

Continued on Page 4

## Memorial Day Music Monday At Park

A special Memorial Day concert is slated for Monday, May 29, at 6 p.m. at the Carbide Recreation Park. Performing will be the Oak Ridge High School Band, under the direction of Steve Combs.

The free concert is for Union Carbide employees and their families.

Tickets are required, however, one for each family. They are available from the Recreation Department, telephone 3-7109. Call or stop by Recreation, Building 9704-2.

Concert-goers are requested to bring their own seating arrangements — lawn chairs, or what-have-you. You may enjoy the concert from your car seat or boat, or on the camp grounds. All boat trailers must be removed from the launching area by 4 p.m. Monday.

Monday is a holiday for Y-12ers . . . in lieu of Memorial Day, which falls on Tuesday, May 30.

## Monday Is Official Holiday For Y-12ers

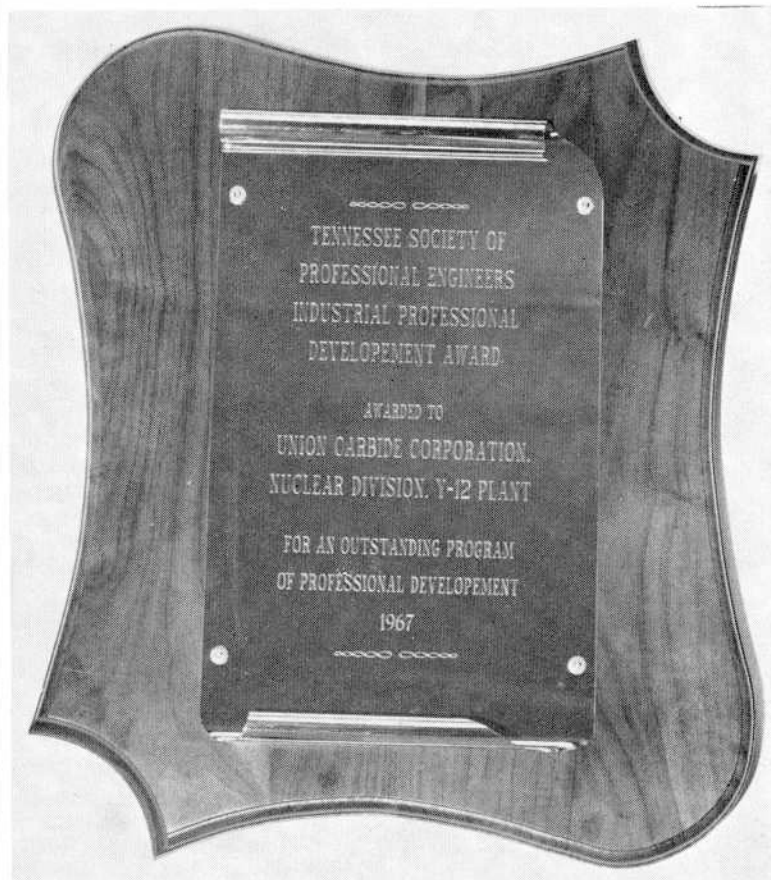
Monday, May 29, is an official holiday in Y-12 . . . taken in lieu of Memorial Day, May 30.

No employee will be required to work unless his presence is required for the protection or continuous operation of the plant.

## Saclay's Rho Is Guest Joint Seminar Speaker

A joint Electronuclear and Physics Division this week will feature Manque Rho, CEN, Saclay (presently at the University of Virginia.) He will speak on "Muon Capture and Migdal Theory."

The seminar is set for Friday, May 26, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.



**THE TENNESSEE SOCIETY OF PROFESSIONAL ENGINEERS** presented their 1967 Industrial Award for Professional Development to Y-12 in ceremonies at the University of Tennessee. Cited were the plant's excellency in recruiting policies, working conditions, educational assistance and salary structure.

## Y-12 Cited By Engineers Group In Industrial Award

The Tennessee Society of Professional Engineers presented its 1967 Industrial Award for Professional Development to the Y-12 Plant. The TSPE held its 1967 annual meeting in Knoxville, May 4, 5, 6 and the Awards Dinner was held May 4 at the UT Student Center.

In making the presentation, Dwight Goodman of the Knoxville

Chapter, cited Y-12 for the excellence of its recruiting policies, working conditions, educational assistance and salary structure. He also praised Y-12 for encouraging membership in technical and professional societies.

The handsome, metal-on-wood, plaque reads: "The Tennessee Society of Professional Engineers Industrial Professional Development

Continued on Page 4



**ACCEPTING THE TENNESSEE SOCIETY OF PROFESSIONAL ENGINEERS' Industrial Award** for Professional Development is R. F. Hibbs, Y-12 Plant Superintendent. Dwight Goodman, Knoxville Chapter of the TSPE, cited Y-12 for its "excellence in recruiting, working conditions, educational assistance and salary structure." He also praised the plant's efforts in encouraging membership in technical and professional societies.



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

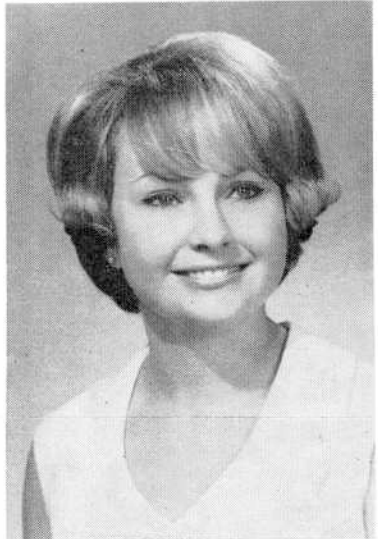
JAMES A. YOUNG Editor



American Association Industrial Editors

OFFICE

Post Office Box Y  
Oak Ridge, Tenn. 37830  
Bldg. 9704-2 Room 137  
Telephone 3-7100



Miss Treba Lynn Ashburn

## ASHBURN-SMITH

Mr. and Mrs. Stanley M. Ashburn, 126 Atlanta Road, Oak Ridge, announce the engagement of the daughters Miss Treba Lynn Ashburn.

She is betrothed to Mr. Thomas Earl Smith, son of Mr. and Mrs. Earl C. Smith, 102 East Bryn Mawr Circle, Oak Ridge.

The bride-to-be is in Y-12's Labor Relations Department. She attended the University of Tennessee, where the prospective groom is a senior.

The wedding is set for 7 p.m. Saturday, June 10, at Robertsville Baptist Church, Oak Ridge.

## Bernstein Films Benefit Concert Sunday Night

A special benefit musicale will be held Sunday, May 28, at 8 p.m. at the Jefferson Junior High School, Oak Ridge.

Leonard Bernstein conducts the New York Philharmonic Orchestra on the films. Featured will be Sibelius's "Finlandia," "Violin Concerto in D Minor," "Symphony No. 2," and Mozart's "Piano Concerto in D Minor," and Mendelssohn's "Violin Concerto in E Minor."

There is no admission charge. Donations will be accepted and all proceeds will go to the Daniel Arthur Rehabilitation Center. More information may be obtained from E. Schonfeld, extension 3-1296, or Oak Ridge telephone 483-7641.

Knowledge plus caution equals safety.

## Anderson County Sets Dedication Of New Courthouse

Anderson County will dedicate its gleaming new Courthouse this weekend. Festivities are set for 10:30 a.m. Saturday, May 27.

Guest speakers will include U.S. Senator Howard Baker Jr., and Representative John J. Duncan. Special memorial services are set to dedicate the Servicemen's Memorial that stood on the lawn of the old Courthouse.

A chimes concert is also set, with appearances by local high school bands. Open house in the beautiful new building will begin at 2 p.m. Saturday, and also Sunday, from 1 until 3 p.m.

The historic old Courthouse was razed, taking with it ancient old trees that had been there almost as long as the town of Clinton.

The familiar old building with its wall for loafers and whittlers is now gone, giving way to progress.



*Katy Kutkost*  
SEZ.

Report\$-Report\$-Report\$.

The following is an excerpt from an editorial by Ken Davidson of Cost Reduction Digest.

One of the things we have learned about reports, in particular, is that they are contagious. According to experts, this contagion will spread from office to office or from company to company. At the present time it seems like big business and government are centering considerable interest on the development of reports suitable to feed their giant computers. No one questions the value of computers as an adjunct to modern management. But, we all should recognize the fact that electronic data processing is also fashionable, and you know how people, regardless of their station in life, will rush to follow the dictates of fashion. It might pay to keep a close watch on the costs of these trends.

### Scrutinizing Cost of Each Report Is Strongly Recommended!

Here is a little food for thought insofar as the cost of manually prepared reports is concerned. These are fairly typical of the clerical costs only:

Event	Time—Minutes
Look up data	.010
Read and evaluate	.094
Write rough draft	.071
Type smooth copy	.044
Proofread	.020
Correct errors	.018
Assemble and put in mail	.008
File office copy	.010
Total time	.275 min.

WHAT TIME IS THE AVERAGE FOR EACH FIVE LETTER WORD. How does that grab you? We suggest you translate those time increments into labor costs based upon your average cost per clerical labor. The result might shake up a few people and help you to mount a small crusade to reduce paperwork. Who knows, it might make a hero out of you.

### NO GETTING AWAY

Before you pull a Gaugin and take off for Tahiti to get away from it all . . . you'd better get the facts straight. To visit that lush tropical paradise now, you have to have a tourist visa with sufficient funds to cover the cost of your projected stay . . . and, get this, a return ticket to wherever you came from!

## Oak Ridge Festival Has Full Calendar!

### Events Help Mark 25th Anniversary

The Oak Ridge Silver Anniversary Festival's complete program for Summer 1967 has just been announced. The opening event was held May 12 with the University of Tennessee's production of Paisiello's "The Barber of Seville." The Opera Theatre chose the "Barber" which preceded the well-known Rossini opera by several years, and is one of the most admired works in opera's history.

The complete program of events is listed in the Festival brochure which has been distributed throughout the entire area. In cooperation with the Oak Ridge 25 Committee, the 1967 program has been planned to emphasize the progress and development of Oak Ridge over the past 25 years. Among other events, the Silver Anniversary Festival features a photographic display of Oak Ridge scenes through the years 1942 to the present. The display will be at the American Museum of Atomic Energy, beginning on June 4. (Many of the photographs to be used came from the Bulletin's archives.) The Chamber Music Society of Old Oak Ridge will present a special Coffee Concert at the Oak Ridge Playhouse, Sunday, June 4. The string orchestra will be under the direction of Waldo Cohn, conductor and manager of the Oak Ridge Symphony Orchestra from 1944 through 1955.

Emphasizing the ties between Oak Ridge and the University of Tennessee are three main events scheduled in cooperation with the university. The Opera Theatre brought its full cast, complete with costumes, sets and orchestra for the single performance of "Barber." The String Quartet will appear at the Oak Ridge Playhouse on June 2. The last three Sundays of May have been selected as the most beautiful time of the Festival for viewing the flowers and other plants at the Arboretum.

Popular events from past Festivals continue in the 1967 program including a square dance festival, the photographic salon, art shows sponsored by the Community Art Center, and coffee houses. Added attractions are the Beaux Arts Ball on June 23, with the theme "In Days of Olde," and the first Playhouse "mellerdrammer" in several years. "Streets of New York" will be presented on Friday and Saturday nights for three weekends in June at the Oak Terrace Ballroom.

The Festival concludes in August with "A Thousand Suns — The Oak Ridge Story," a musical outdoor show sponsored by the Oak Ridge 25 Committee.

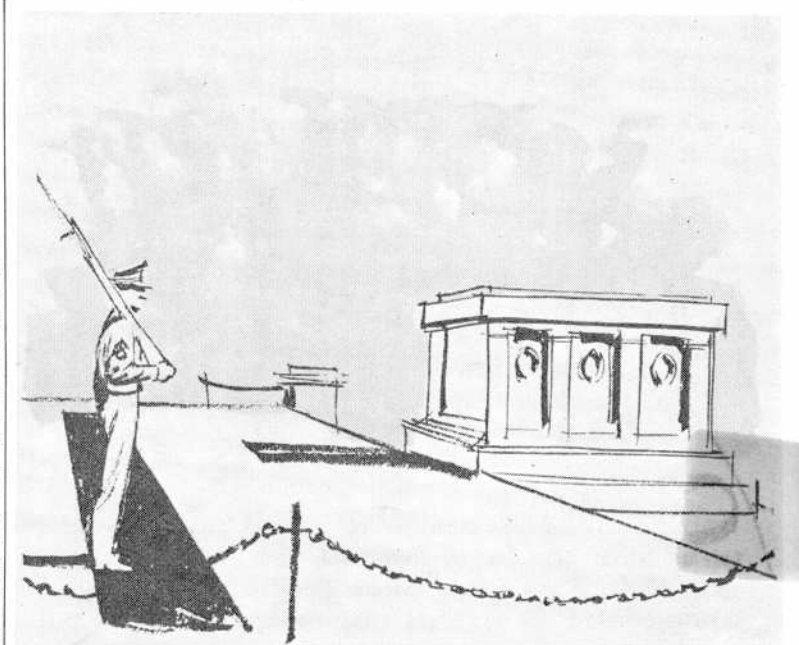
Additional information and tickets may be obtained from any member of the Festival Board of Directors or by writing to the Oak Ridge Festival, P.O. Box 208, Oak Ridge.

## Homeowners Lose Millions Annually In Fire Damages

U.S. homeowners lose over \$335,000,000 from fire, National Fire Protection Association figures show. The headaches and heartaches of fire destruction in the home are incalculable.

The sad part about it all, reports the NFPA, is that most home fires could have been prevented.

The end of a perfect day — no accidents.



## 'We Are Here Because He Is There'

"We are here because he is there." A tear inched down her face. Her voice broke.

It is now called the "Tomb of the Unknowns," but in our school-boy mind it is still the "Tomb of the Unknown Soldier." It is only a square, unadorned piece of stone with the simple inscription:

"Here in Honored Glory—Rests an American Soldier—Known But to God." There are three now, one from each of the World Wars, and one from the battlefields of Korea.

The erect sentry marches by the stone, turns, pauses . . . then marches back again. For 24 hours a day, 365 days a year the silent guard keeps his vigil beside the

hallowed spot. Through storm, through winter's coldest bite, the watch is kept.

The rolling hills of Virginia stop at the river's edge, and the nation's Capitol begins. From the hilltop the monuments can be seen . . . Jefferson, Lincoln and Washington. Over to the left the Custis-Lee Mansion shadows the grave of the young president and his two babies. Still the crowds come. The flame flickers in the Spring breeze.

The Mall spreads out below . . . a verdant carpet all the way to the Capitol Building. The noisy birds interrupt the silent watch, and squirrels scurry over the myriad of grave markers. The chimes begin, a volley of shots is heard in the distance, and the sad sound of Taps gently echoes across the trees as another finds his way to this peaceful spot.

Conversation was difficult back down the hill. "We know a Clinton man who was buried here last Fall. A West Point man."

"There are so many," another observed. "I didn't realize the place was so big. The Korea dead are all across the road."

"Have you seen the Iwo Jima monument?" another asks.

"Will they bring another Unknown from Vietnam? How many more must come?"

"You know, this Nation will succeed in spite of itself," another observed. "Our strength is our weakness. The protestors, the draft-card burners, the malcontents, they've really always been here. But the dream remains. The Continental Congress had trouble getting off the ground because they said it wouldn't work. Yet freedom, as if it were preordained, did 'get off the ground.' The dream has survived those early days; it survived the internal strife a hundred years ago; it survived threats from would-be Caesars; it survives false doctrines that would enslave us today; it survived all of these. Dreams will and do survive."

Jefferson stated it simply: We "are, and of right out to be free," when he wrote the Declaration.

Still the thought remains: "We are here because he is there."

We came to honor him because he first honored us. We are free to do so because he is there. The dream caught his fancy, and for that fancy, he laid down his life. He elevated the status of man, as so many thousands have done, by dying so that others might live as they were meant to live . . . free.

Then a dream is worthy of our support. For on that dream rests our hopes, our very existence.

"We are here because he is there."

Memorial Day — 1967

## McCloud Son Is Youth Counselor



James M. McCloud Jr.

James M. McCloud Jr. has been named to the position of youth services counselor with the Marion office of the Virginia Employment Commission. He is the son of Mr. and Mrs. James M. McCloud, 2710 Oak Ridge Turnpike, Oak Ridge.

McCloud received his BS degree from East Tennessee State University, Johnson City, in 1963, and his master's degree in guidance and counseling from there in 1966. Since then he was employed as an English teacher in the Toccoa, Georgia, public school system and served as improvement coordinator with Green Valley hospital and school, Greeneville, Tennessee.

Mrs. McCloud is the former Barbara Jean Kyte, Butler, Tennessee. She is also a graduate of East Tennessee State University, and is currently employed as a special education teacher with the Bristol Tennessee schools.

Young McCloud's father is in Y-12's Janitors Department.





**THAT'S NO GAME CHICKEN**, says A. S. Howell, Utilities. That's a giant gobbler he killed April 8. The elusive wild turkey is always a challenge to the hunter . . . and it's good eating too. The big 14-pound tom was killed at Central Peninsula. On May 4, Howell killed another gobbler on Point Nine . . . his limit for the season.

## Y-12 Braves Lead Softball Race; K-25 Mets Still Undefeated Also

Three full nights of Softball got under the line the week of May 8 . . . despite threatening weather.

The Y-12 Braves opened the week's play by clouting the K-25 Sports 20 to 1. Jim Shoemaker and Steve Babb battered homers out for the winners, as the victors poled 20 hits to the losers eight.

The Y-12 Flyers inched by the K-25 Slugs 5 to 4 in Monday, May 8's second game. The Flyers' Malanify and Slugs' Henry accounted for the only two long homers of the game.

Two Y-12 teams collided as the Eagles trounced the Bat Boys 36 to 6. Hugh Richards poled two homers for the winners, Koon, Speller and Thompson collected one each.

### Pirates Tame Falcons

Tuesday, May 9, saw the Pirates tame the Falcons 8 to 4 . . . even though hits were evenly distributed at 13 for each team.

The Braves took a forfeit win over the Big Shops.

The K-25 Mets meted out victory over the K-25 Sports 26 to 4 in Tuesday's final play. Pitcher Foreman surrendered only nine hits to the Sports.

The Bat Boys beat the Flyers in a close one Thursday, May 11, 7 to 6. Romeo Greene gained a four-bagger for the winning combo.

### Pirates Win Again

Y-12's Pirates pelted the K-25 Slugs 23 to 5, as A. C. Wright knocked two homers, J. D. Kelly, Sewell Brown and Bobbie Rutherford all collected one each.

Final action of the "unreported week," saw the Braves defeat fellow Y-12ers, the Eagles, 16 to 5 . . . with Rick Hull, Ray Riggs, John Evans and Steve Babb all knocking long ones.

The immediate past week's action began Tuesday, May 16, as the Y-12 Braves took win number five at the expense of the Bat Boys 16 to 1. Rick Hull, Jim Shoemaker and Bob Hopkins poled

triples . . . as John Evans earned the only homer of the game.

The K-25 Sports downed the K-25 Slugs 22 to 7 in Tuesday's second foray. Bob Neir and Jerry Howard homered for the winning squad.

### Mets Maul Eagles

The K-25 Mets kept a clean slate by downing the Y-12 Eagles 37 to 8 in final play. Bill Schellinger knocked three homers! Harold Connor two! and Whit Whittlesey one! The Mets out-hit the Eagles 36 to 11.

Wednesday's games opened with the K-25 Sports cleaning the Falcons 15 to 5. Sam Duncan clouted a homerun for the winning squad; Powell Pruett for the losers.

Two Y-12 teams collided next as the Pirates put the Flyers aground 15 to 9. Mack Wright wrung a homer out for the big Pirates; Dave Mason for the losers.

The K-25 Mets took an easy one from the Big Shops . . . via the forfeit route.

### Falcons Take Forfeit

Thursday's action opened with no action . . . as another team won by forfeit . . . the Falcons over the Big Shops.

Y-12's Braves took win number six Thursday from the Flyers 17 to 2. Poling homeruns were Jim Shoemaker, Steve Babb and Skip Hendricks.

Final play was a thriller . . . as the Pirates edged by the K-25 Sports 7 to 6. The Pirates out-hit the Sports 12 to 10. Mack Wright tripled in the fourth to account for the winning margin.

League standings follow:

Team	W	L
Braves, Y-12	6	0
K-25 Mets	5	0
Pirates, Y-12	4	2
Flyers, Y-12	3	3
K-25 Sports	3	3
Eagles, Y-12	2	3
Bat Boys, Y-12	2	3
K-25 Slugs	1	4
Falcons, Y-12	1	4
Big Shops, Y-12	0	5

## Dorr, Wright Tie In Gatlinburg Lows

Carl Dorr and Mack Wright tied the Gatlinburg Tournament Saturday, each with an 80 score. The rainy Saturday tournament brought out 109 golfers. Delayed until about 8:20, the tee-men finally managed to leave on the battle.

Other first flight winners in the contest, scratch-wise, were Bill Grubb, D. E. Littleton and J. A. Griffin, all with 82.

Handicap winners were Wright (with 72), followed by Bill Lanter, 74; Hugh Richards and C. R. Ferguson, each with 78.

Bob Roe parred 10 holes; Jim Pugh, Tudor Boyd and George Heins all had eight pars.

### SECOND DIVISION

Daye Phillippi captured top spot in the second flight with an 85 scratch score. He was followed by C. M. Cheek, 86; Hugh Beeson and E. N. Rogers, 91. Handicap winners were Ed Sise, 75; J. E. Bartholomew, 78; R. J. Mustin, Raymond Plemons and Roy Roberts, all with 80.

Roy Worley and H. B. Presley scored seven pars; Sewell Brown and H. C. Nichols, six.

### THIRD DIVISION

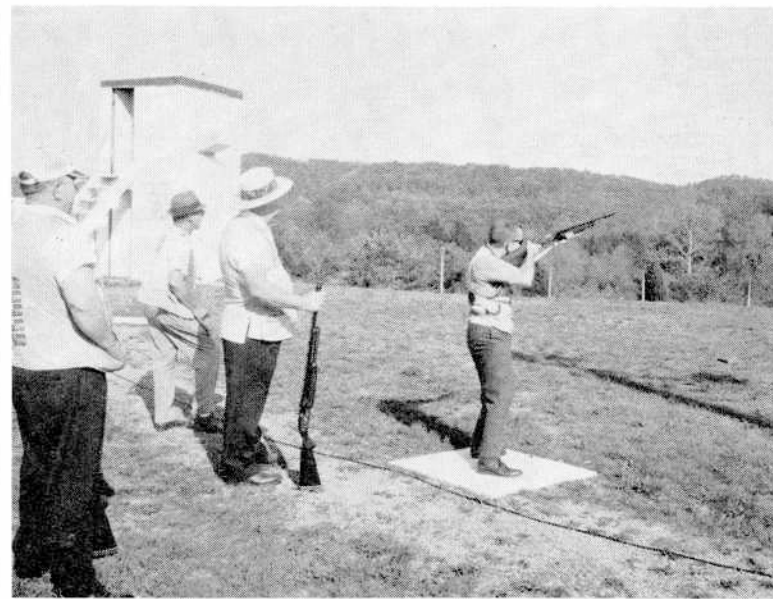
Jim Batch bagged top scoring in the third flight with an 89 scratch. He was followed by J. R. Milligan, 94; G. A. Tedder, D. G. Lincoln, Dan Culberson, C. H. Crockett and Al Naleppa, all with 97.

Handicap winners were Jack Gresham, 77; H. E. Wright, J. P. Smith, Virgil Lovett and E. V. Hawk, all with 80.

Scoring most pars were W. S. Akers, Joel Garber, R. B. Strickland and H. C. Huston, all with three.

### FOURTH DIVISION

Phil Breman and W. B. Chapman tied for scratch honors in the last flight, each with 101. They were followed in scratch counting by W. R. Burrell, 102; and J. C. Bryan, 105. Handicap lows were fired by T. W. Compton and Earl Price, each with 79; C. V. Redding,



**WELFARE DOES IT AGAIN** . . . Fred Welfare won first place in recent Skeet firing with a scratch score of 49 out of 50 birds. Fred demonstrates the style which has placed him in the winning circles consistently in the past.

## Fred Welfare Tops May Skeet Round

May Skeeters turned out to see Fred Welfare fire a 49 out of a possible 50 birds to cop the top firings in the Skeet League, Sunday, May 14. He was followed by H. Wills, with a 48.560 handicap score; H. Prewett, Y-12, with a 47.947 tally.

Skeeters ask that more Y-12ers and K-25ers turn out to give the X-10ers a run for their money on Sunday, June 11. Skeet firings begin at 1 p.m. at the Oak Ridge Sportsmen's Association Range.

### Handicap Scores:

R. Allstun	46.305
C. Asmanes	46.600
J. Barton	46.480
H. Prewett	47.947
J. Worley	46.320
F. Webber	46.800
F. Stewart	47.120
H. Wills	48.560
F. Welfare	49.589

80; and R. R. Spears and C. R. Elliott, each with 83.

Most pars were taken by Bud Thorpe and Carl Nelson, each taking three.



**A COUPLE OF Y-12ERS** took a recent cruise out of Gulf Shores Lodge to collect their annual take of Lings. The group took over 600 pounds undressed fish . . . which filled four big coolers after dressing. From left, kneeling, are Glenn Atchely, Guard Department, and Skipper Leroy Walker. Standing are Frank Flynn and John McCall, Utilities. The sojourn was made on the long weekend of April 15.

## Recreation



**Wednesday, May 24**

**CARBIDE RIFLE LEAGUE:** 7 p.m., Clinton Rifle Range.

**Thursday, May 25**

**SOFTBALL LEAGUE:** 6:15, 7:30, 8:45 p.m., Pinewood Park. Bat Boys vs. K-25 Slugs; Flyers vs. Big Shops; K-25 Mets vs. Falcons.

**ARCHERY LEAGUE:** 5:15 p.m., 8:15 p.m., Oak Ridge Sportsmen's Association.

**Monday, May 29**

**HOLIDAY FOR Y-12:** Memorial Day, a little early this year!

**Tuesday, May 30**

**SOFTBALL:** 6:15, 7:30, 8:45 p.m., Pinewood Park. Bat Boys vs. K-25 Slugs; Flyers vs. Big Shops; Braves vs. Falcons; Pirates vs. Eagles.

**PHYSICAL FITNESS:** (For Men) 7:30 p.m., Oak Ridge High School Gymnasium.

**Wednesday, May 31**

**CARBIDE RIFLE LEAGUE:** 7 p.m., Clinton Rifle Range.

**Thursday, June 1**

**SOFTBALL:** 6:15, 7:30, 8:45 p.m., Pinewood Park. Bat Boys vs. K-25 Slugs; Flyers vs. Big Shops; K-25 Mets vs. Falcons.

**ARCHERY LEAGUE:** 5:15 p.m., Oak Ridge Sportsmen's Association.



**Ride wanted from 325 Louisiana Avenue, Oak Ridge, to North or Biology Portal, straight day.** Norman Bryson, plant phone 3-5858, home phone Oak Ridge 483-8397.

**Ride wanted, or will join car pool, from East Village, Oak Ridge, to Biology Portal, straight day.** John Franklin, plant phone 3-5660, home phone Oak Ridge 482-1239.

### HUMAN RELATIONS COURSE

Five most important words: **I am proud of you.**

Four most important words: **What is your opinion?**

Three most important words: **If you please.**

Two most important words: **Thank you.**

Least important word: **I.**





**UNION CARBIDE CORPORATION**  
NUCLEAR DIVISION  
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

(RETURN REQUESTED)

BULK RATE  
U.S. Postage  
**PAID**  
Oak Ridge, Tenn.  
Permit No. 71



"Forget the years of gold when all the months were May." More Y-12ers crowd the ranks of veterans with Union Carbide Corporation. Congratulations.

#### 20 YEARS

**Graham Boggs**, Buildings, Grounds and Maintenance Shops, May 26.

**Gus Craige**, Buildings, Grounds and Maintenance Shops, May 26.

**Oscar Smith**, Buildings, Grounds and Maintenance Shops, May 28.

#### 15 YEARS

**Ray H. Snow**, Dispatching Department, May 24.

#### 10 YEARS

**Vivien A. Anfinson**, Technical Publications, May 27.

**Bobby L. Carter**, Dimensional Inspection, May 27.

**Henry C. Norris Jr.**, Civil and Architectural Engineering, May 27.

## Health Physics Society Will Hear Eminent Radiologists In Monday Meet



Dr. C. C. Lushbaugh



Dr. Vincent P. Collins

A two-part program will be presented at the next meeting of the East Tennessee Chapter of the Health Physics Society. The speakers will be Dr. Clarence C. Lushbaugh and Dr. Vincent P. Collins.

Clarence C. Lushbaugh, who holds PhD and MD degrees, is a former professor in pathology at the University of Chicago. He served as pathologist for the Los Alamos Medical Center from 1949 to 1963. He joined the Medical Division of Oak Ridge Associated Universities (then ORINS) as chief of the applied radiobiology section in 1963, where he has been engaged in research involving hematology and pathology. His discussion will concern problems involving residue operations following catastrophic type radiation accidents.

Vincent P. Collins received his MD from the University of Toronto and was later graduated from the University of Houston with an LLB degree. After completing his medical studies in Toronto, he held a number of appointments before he settled in Houston. He became professor of radiology at Baylor University's School of Medicine in 1952. He has been a consultant to the Veteran's Administration, to the ORAU Medical Division in Oak Ridge, and to the National Institute of General Medical Sciences of the National Institute of Health. An evaluation of problems in the medico-legal field will be the main theme of his discussion.

The HPS meeting is set Monday, May 29, at 5:30 p.m., at the Oak Ridge Country Club. A social hour will be followed by dinner, and then the technical session.

All visitors are welcome and invited to attend. Dinner reservations may be made by calling extension 3-5861, or 3-1601.

## Y-12 Cited

Continued from Page 1

ment Award . . . Awarded to Union Carbide Corporation, Nuclear Division, Y-12 Plant For an Outstanding Program of Professional Development . . . 1967."

R. F. Hibbs, Y-12 Plant Superintendent, accepted the award for Union Carbide, and thanked the society for the recognition given to the plant as well as the society's contribution to the professional growth of engineers.

Hibbs was accompanied by G. R. Jasny, Y-12 Chief Engineer, and F. S. Patton, superintendent of Design Engineering. All three Y-12ers were accompanied by their wives.

Also attending the function were other Y-12ers: Mr. and Mrs. R. C. Rosenvinge, Mr. and Mrs. G. F. Kalb, Mr. and Mrs. Haeusler, Mr. and Mrs. T. E. Douglass, L. F. Hemphill and H. A. Pohto. Other Oak Ridgers at the presentation included several officers of the Society: Mr. and Mrs. William Halchin (outgoing president of the Oak Ridge Chapter), J. W. Gregory (incoming president of the

## When Writing A Series Do You Use A Comma?

Should you or shouldn't you place a comma before the "and" in a series? The National Secretaries Association, considered an authority on punctuation, says "Yes" always in secretarial work.

In literary styles and other writings such as newspapers, magazines and even some books, the comma is sometimes omitted.

But never says the NSA, in business correspondence, in legal matters and in textbooks. Use of the comma in this construction is always correct.

Oak Ridge Chapter), Loyd Jones (former chapter president and currently an alternate national director), Mr. and Mrs. Ben Adams and Mr. and Mrs. George Crouch.

Let your family benefit by your safety.

## Order Of Rainbow Taps Jayne Moyer



Jayne Moyer

Looks are not the only talent Jayne Moyer possesses. Jayne, the daughter of Mr. and Mrs. James R. Moyer, 4600 Glendale Road, Knoxville, was installed recently as Worthy Advisor in the Order of Rainbow for Girls at the Fountain City Assembly #56 at Bright Hope Lodge. The installation services took place Sunday, May 21.

Jayne is 15 years old and a sophomore at Central High School, Knoxville.

May is a big month for Jayne. Earlier in the month she was the first Queen-Regent-in-Service in Girls' Auxiliarmy at Smithwood Baptist Church, Knoxville. This is the highest honor a G.A. can attain.

Jayne's proud father is in Y-12's Buildings, Grounds and Maintenance Shops.

Safety is your own look-out.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
37 Days Or  
1,084,000 Man-Hours  
(Unofficial Estimate)  
Through May 21  
Without A Disabling  
Injury  
Working Safely Is  
Very Smart Business

## Several Patents From Y-12 Hands In AEC's Newly Released Developments

The U.S. Atomic Energy Commission recently released 65 patents owned by the Government for public use. This brings to 3,855 the number of AEC-held U.S. patents and patent applications released for licensing.

The Commission will grant non-exclusive, royalty-free licenses on the listed patents as a part of its program to make non-secret technological information generally available for use by industry.

Several Y-12 developments were listed in the patents. Following are the list developed here, with an abstract description of the process.

C. R. SCHMITT — Patent No. 3,264,073 NOVEL METAL MICROSPHERES AND THEIR MANUFACTURE—This patent provides a method for preparing unitary, hollow, metal microspheres which may be incorporated into low density, high strength metal structures. The method comprises heating phenolic microballoons under an inert atmosphere to a temperature sufficient to coke the microballoons thereby forming carbon microspheres and applying a metal coating to the carbon microspheres, followed by removal of the carbon to form metal microspheres. These metal microspheres may then be formed into a metal structure by pressureless sintering techniques.

R. L. HAMMER and W. H. SMITH JR.—Patent No. 3,264,379 — METHOD OF ROUNDING ACTINIDE OXIDE GEL PARTICLES — This patent relates to a method of preparing spherical actinide oxide gel particles. By this method irregularly shaped, slightly water-soluble oxide gel particles are contacted with a solution comprising 25 to 75 volume per cent water and the balance a water-miscible inert organic liquid thereby wetting the surface of the particles and thereafter tumbled to remove the irregular projections on the particles.

V. M. HOVIS JR. and E. E. PALMER — Patent No. 3,264,913 — PRECISION LATHES — This patent relates to a precision tracer

lathe wherein a spindle slide is hydraulically mounted on a rotary table for increasing response to signals from a scanner and reducing the tolerance of cuts.

R. L. HUDDLESTON and the late R. P. LEVEY JR. — Patent No. 3,266,095 — PRESSURE VESSEL — This patent relates to an improved seal for a piston-cylinder type pressure vessel. The piston member is provided with a coaxial annular wall and an encircling O-ring at its end which is normally inserted into a female die member. During a pressing operation, the annular wall expands radially to maintain the O-ring in sealing contact with the die member.

V. M. HOVIS JR. — Patent No. 3,269,232 — SYSTEM FOR COORDINATING THE OPERATING OF A TOOL WITH A PATTERN — This patent relates to a low friction slide which reduces "stick-slip" in a precision lathe by employing hydraulic pockets to support the slide.

## Oak Ridge Coin At Company Store

Continued from Page 1

Nat Johnson, Atomic Energy Commission, created one side depicting a wingless Mercury about to spread the new source of power — atomic energy — around the world. Johnson's familiar security posters are always seen at the perimeters of the city, further evidence of the man's abilities. The other side is an adaptation of the Oak Ridge 25 symbol, a conception by Edward Walsky, Oak Ridge Associated Universities staff.

(Across the years. A request was received in this office recently from Jim Seat, former editor of the Y-12 Bulletin, now with Tennessee Eastman, Kingsport. Jim wanted one of the coins for his young son. A coin has been mailed to him, compliments of the staff of the Bulletin.)

It hardly seems possible that we are 25 years old!

**SECOND ANNUAL**  
*Memorial Day*  
**CONCERT**  
Contact  
RECREATION  
DEPARTMENT  
for  
TICKETS  
at  
**Carbide Park**  
Featuring  
**OAK RIDGE HIGH SCHOOL BAND**  
**MONDAY, MAY 29, 6 P.M.**